


INTERNATIONAL SEARCH REPORT

 International application No.
PCT/AU03/00758

A. CLASSIFICATION OF SUBJECT MATTER		
Int. Cl. ⁷ : C04B 35/515, 35/56, 35/58; H01L 39/12, 39/24		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols)		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WPAT & JAPIO: IPC C04B 35/56, 35/58 & Keywords- SUPERCONDUCTOR, MAGNESIUM and similar words		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	Patent Abstracts of Japan, JP 2002-352648 (FURUKAWA ELECTRIC CO LTD) 6 December 2002 Abstract	1,4-13,18
P,X	WO 02/069353 A1 (INDUSTRIAL RESEARCH LIMITED) 6 September 2002 Whole document	1,4-13,18
P,X	WO 02/098794 A1 (INTERNATIONAL SUPERCONDUCTIVITY TECHNOLOGY CENTRE, THE JURIDICAL FOUNDATION) 12 December 2002 Abstract	18,19,20-24, 26
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
Date of the actual completion of the international search 8 July 2003		Date of mailing of the international search report 14 JUL 2003
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustalia.gov.au Facsimile No. (02) 6285 3929		Authorized officer ALBERT S. J. YONG Telephone No: (02) 6283 2160 

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	WO 02/055435 A1 (JAPAN SCIENCE AND TECHNOLOGY CORPORATION) 18 July 2002 Abstract	1,4-13,18
P,X	US 6511943 B1 (Serquis et al) 28 January 2003 Whole document	1,4-13,18
X	Patent Abstracts of Japan, JP 01-157452 (TOSHIBA CORP) 20 June 1989 Abstract	14,16

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Box I Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos :
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos :
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. ☐ Claims Nos :
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)

Box II Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. Claims 1-13, 18-26
A magnesium diboride superconductor further including silicon carbide or titanium carbide dopants.
 2. Claims 14-17
A superconductor further including silicon carbide.
1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims
 2. ☒ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
 3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

 4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

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This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report			Patent Family Member			
JP	2002-352648	NONE				
WO	2002/069353	NONE				
WO	2002/098794	JP	2003-095650			
WO	2002/055435	CA	2401968	JP	2002-211916	US 2003017949
US	6511943	NONE				
JP	01-157452	NONE				
END OF ANNEX						